

Alcohol and Other Drug-Related Crashes

Section 3: Alcohol and Other Drug-Related Crashes

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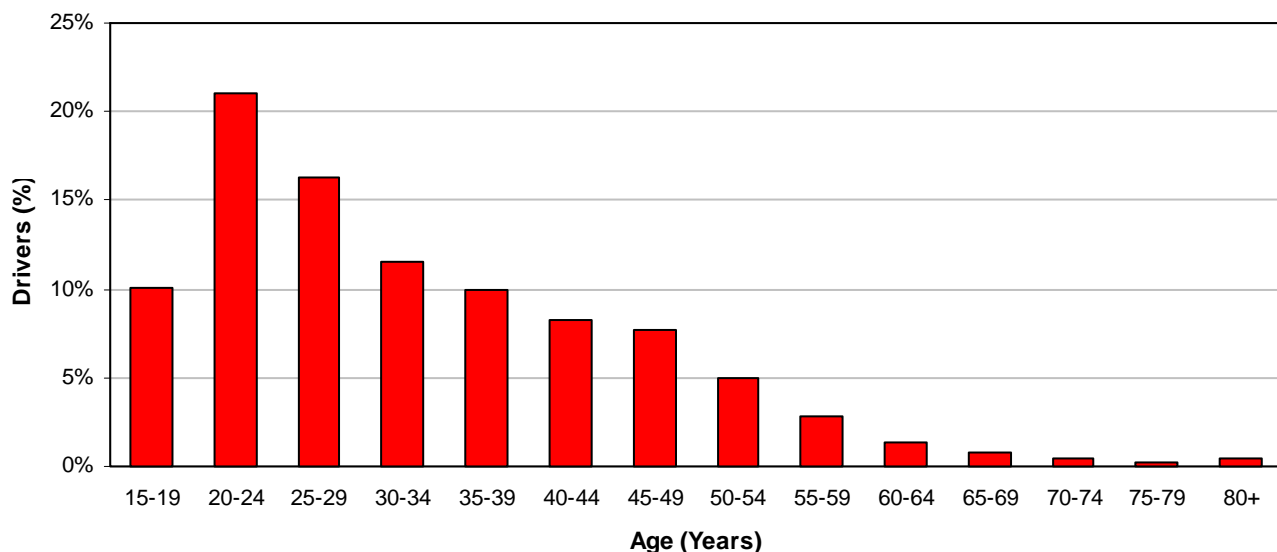
ALCOHOL AND OTHER DRUGS



Did you know in 2006:

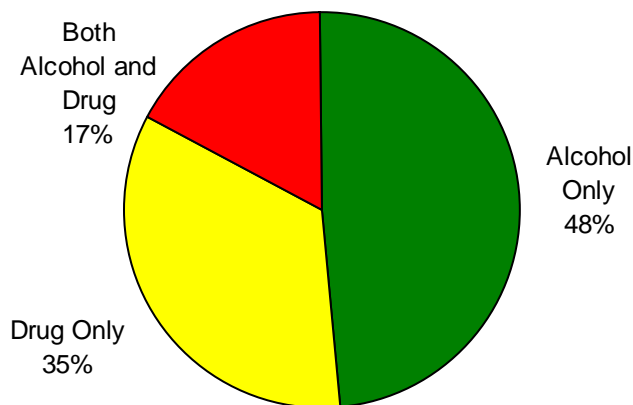
- 2,674 alcohol and other drug-related crashes occurred in Utah which resulted in 1,966 injured persons and 68 deaths.
- The number of alcohol and other drug-related deaths increased 51% from 2005.
- Alcohol and other drug-related crashes were six times more likely to be fatal than other crashes.
- An alcohol and other drug-related crash occurred in Utah every three hours.

Age of Impaired Drivers in Alcohol and Other Drug-Related Crashes (Utah 2006)



- Drivers aged 20 to 24 years had the highest percentage of alcohol and other drug-related crashes (21%).
- Of the impaired drivers, 374 (14%) were under the age of 21 years.

Impaired Drivers in Fatal Crashes by Impairment Type (Utah 2006)



- Of the 58 impaired drivers in fatal crashes, 28 (48%) tested positive for alcohol only, 20 (35%) tested positive only for other drugs, and 10 (17%) tested positive for both alcohol and other drugs.



- Of the 52 motor vehicle occupants killed in alcohol and other drug-related crashes, 31 (60%) were unbelted.



- Of the 58 impaired drivers in alcohol and other drug-related fatal crashes, nine (17%) were previously convicted of driving while under the influence in the past three years.

ALCOHOL AND OTHER DRUGS



Alcohol and Other Drug Involvement in Different Types of Fatal Crashes



Pedestrian-Motor Vehicle Crashes

Of the 29 pedestrians killed, none were impaired by alcohol/drugs, and five pedestrians (17%) were killed by an impaired driver.



Bicyclist-Motor Vehicle Crashes

Of the 10 bicyclists killed, one (10%) was impaired by alcohol/drugs, and two bicyclists (20%) were killed by an impaired driver.



Motorcycle Crashes

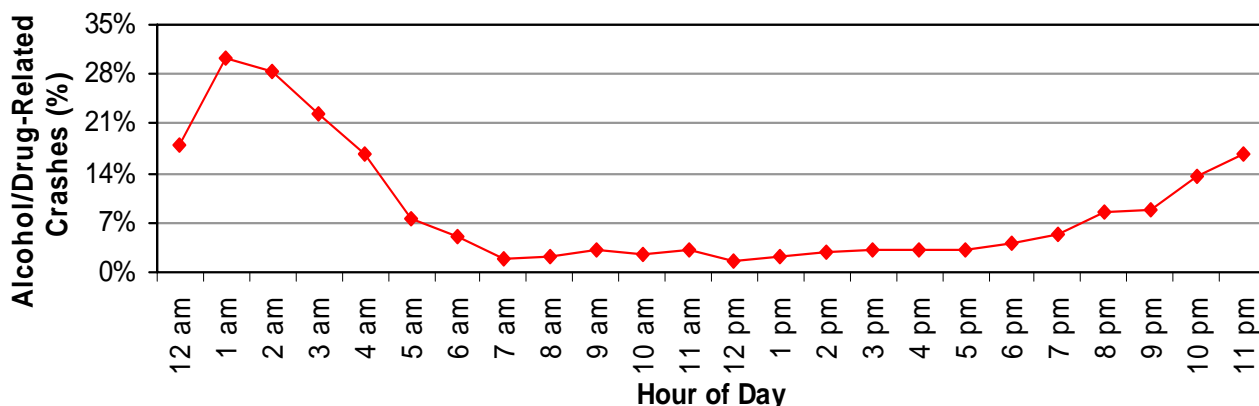
Of the 23 motorcycle drivers in fatal crashes, two were impaired by alcohol/drugs (9%).



Teenage Driver Crashes

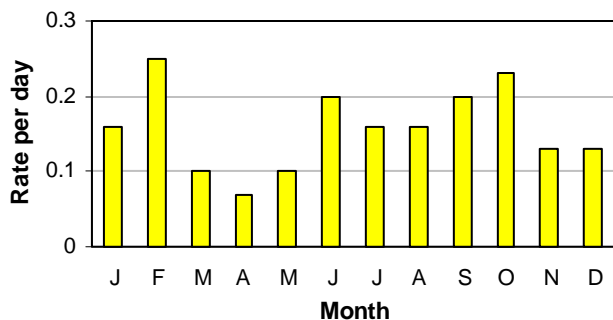
Of the 45 teenage drivers (aged 15 to 19 years) in fatal crashes, eight were impaired by alcohol/drugs (18%).

Percent of Total Crashes Alcohol/Drug-Related by Hour of Day (Utah 2006)



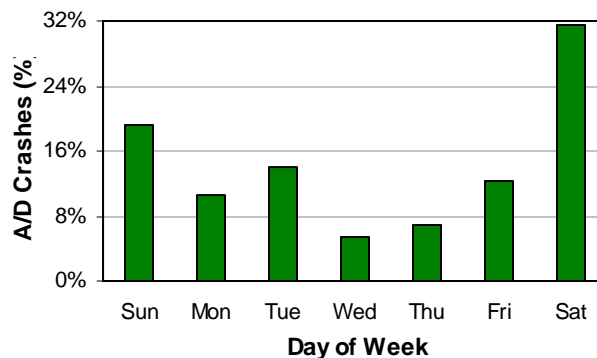
- While 5% of total crashes were alcohol/drug-related, nearly one-fifth (18%) of crashes occurring during the hours of 10:00 p.m.-4:00 a.m. were alcohol/drug-related.

Fatal Alcohol/Drug-Related Crashes by Month (Utah 2006)



- The highest rates per day of fatal alcohol and other drug-related crashes occurred in February (0.25) and October (0.23).

Fatal Alcohol/Drug-Related Crashes by Day of the Week (Utah 2006)



- The highest percentage of fatal alcohol/drug-related crashes occurred on Saturday (32%).

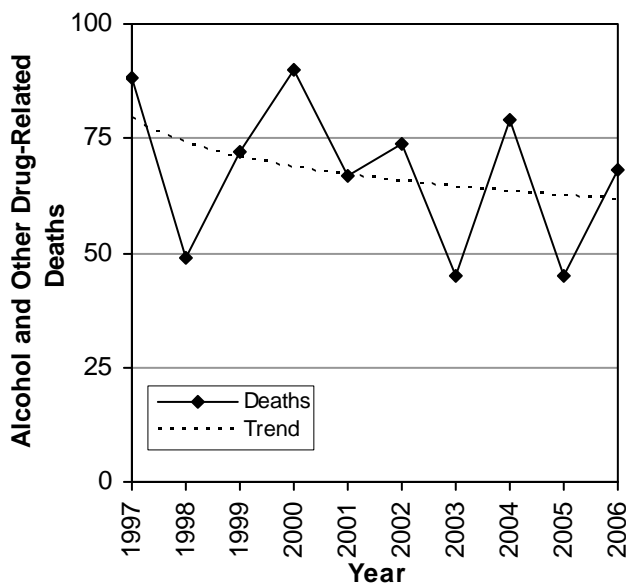
Trends

Alcohol and Other Drug-Related Deaths and Fatal Crashes [Utah 1997-2006]

Alcohol and Other Drug-Related Crashes						
	Deaths			Fatal Crashes		
	All	Alcohol	Alcohol	All	Alcohol	Alcohol
Year	#	#	%	#	#	%
1997	366	88	24.0%	309	70	22.7%
1998	350	49	14.0%	308	48	15.6%
1999	360	72	20.0%	318	66	20.8%
2000	373	90	24.1%	318	79	24.8%
2001	291	67	23.0%	258	60	23.3%
2002	328	74	22.6%	274	63	23.0%
2003	309	45	14.6%	262	39	14.9%
2004	296	79	26.7%	260	71	27.3%
2005	282	45	16.0%	235	42	17.9%
2006	287	68	23.7%	249	57	22.9%
Total	3,242	677	20.9%	2,791	595	21.3%

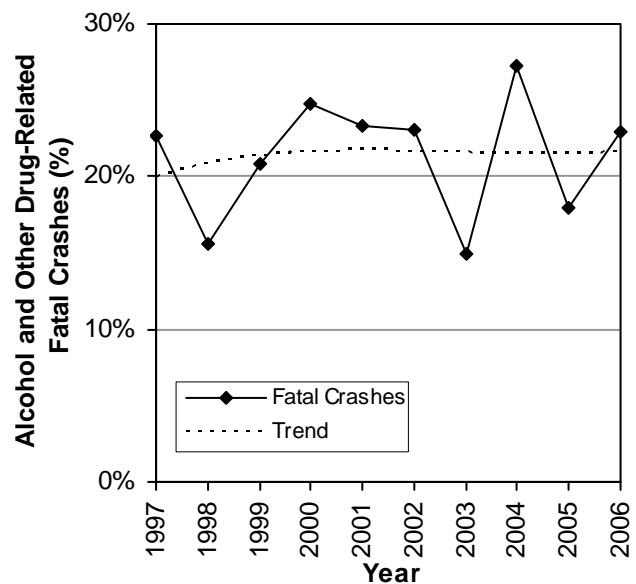
- Over the past 10 years, the percentage of alcohol and other drug-related deaths and fatal crashes has fluctuated around one-fifth of all deaths and fatal crashes.
- On average, 68 people die a year in Utah from alcohol and other drug-related crashes.

Alcohol and Other Drug-Related Deaths (Utah 1997-2006)



- In 2006, there was a 51% increase from 2005 in alcohol and other drug-related deaths.
- From 1997 to 2006, the number of alcohol and other drug-related deaths has shown a decreasing trend.

Alcohol and Other Drug-Related Fatal Crashes (Utah 1997-2006)

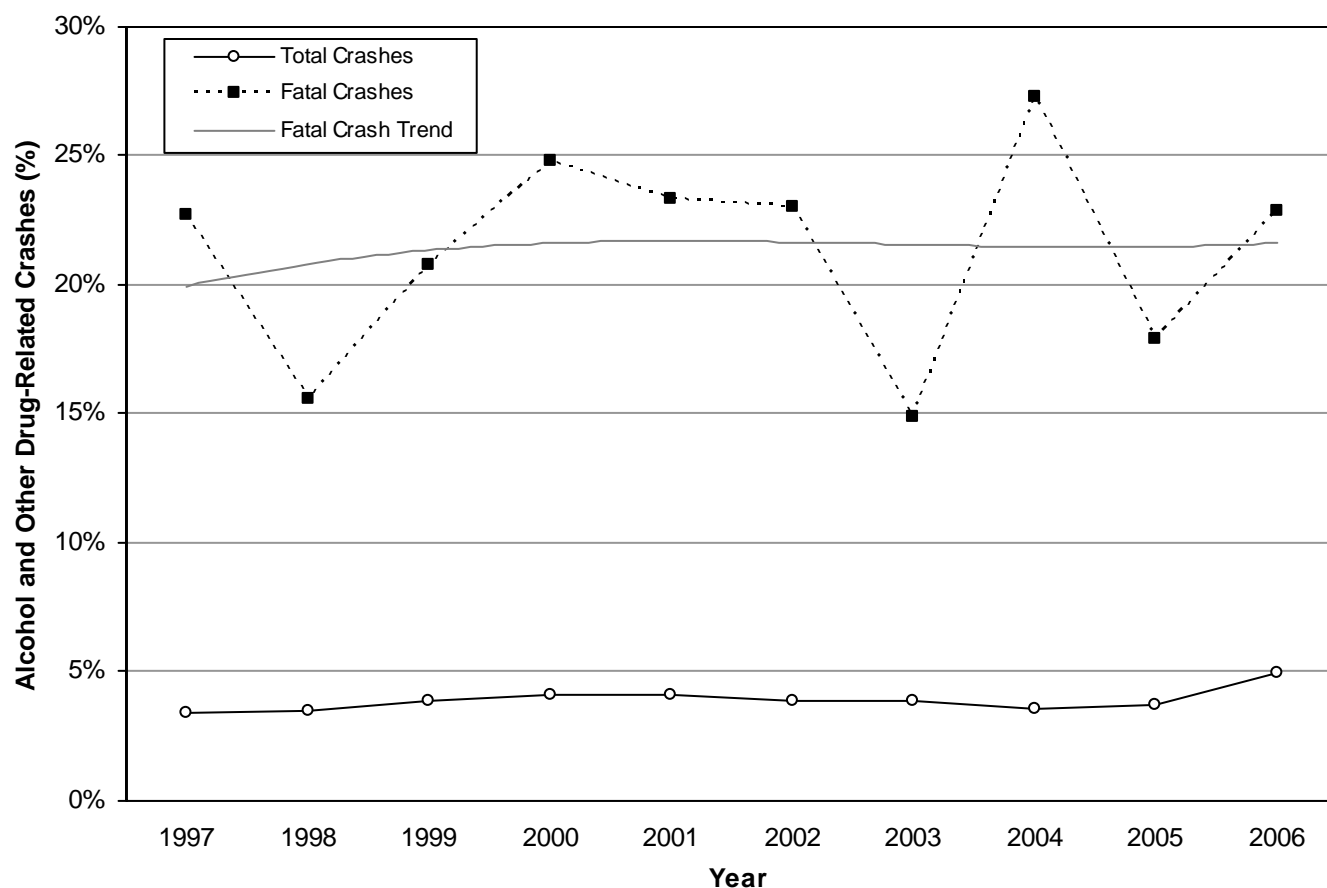


- In 2006, the percentage of fatal crashes that were alcohol/drug-related increased 28% from 2005.
- From 1997 to 2006, the percentage of fatal crashes that were alcohol/drug-related has shown a small increasing trend.

Trends

Alcohol and Other Drug-Related Crashes [Utah 1997-2006]

Alcohol and Other Drug-Related Crashes												
	Property Damage Only			Injury			Fatal			Total		
		Alc/	Alc/		Alc/	Alc/		Alc/	Alc/		Alc/	Alc/
	All	Drug	Drug	All	Drug	Drug	All	Drug	Drug	All	Drug	Drug
Year	#	#	%	#	#	%	#	#	%	#	#	%
1997	33,512	785	2.3%	21,131	1,007	4.8%	309	70	22.7%	54,952	1,862	3.4%
1998	34,337	799	2.3%	19,427	1,062	5.5%	308	48	15.6%	54,072	1,909	3.5%
1999	32,971	842	2.6%	19,513	1,137	5.8%	318	66	20.8%	52,802	2,045	3.9%
2000	33,269	951	2.9%	19,564	1,152	5.9%	318	79	24.8%	53,151	2,182	4.1%
2001	33,113	932	2.8%	19,332	1,152	6.0%	258	60	23.3%	52,703	2,144	4.1%
2002	33,542	924	2.8%	19,552	1,117	5.7%	274	63	23.0%	53,368	2,104	3.9%
2003	31,842	891	2.8%	18,285	1,017	5.6%	262	39	14.9%	50,389	1,947	3.9%
2004	34,222	878	2.6%	19,423	1,018	5.2%	260	71	27.3%	53,905	1,967	3.6%
2005	35,158	928	2.6%	19,545	1,086	5.6%	235	42	17.9%	54,938	2,056	3.7%
2006	37,749	1,339	3.5%	18,189	1,278	7.0%	249	57	22.9%	56,187	2,674	4.8%
Total	339,715	9,269	2.7%	193,961	11,026	5.7%	2,791	595	21.3%	536,467	20,890	3.9%



- Over the past 10 years, 3.9% of total crashes were alcohol/drug-related compared with 21.3% of fatal crashes.
- Crashes that were alcohol/drug-related were six times more likely to be fatal than crashes that were not alcohol/drug-related in 2006.

Counties

Alcohol and Other Drug-Related Crashes by County (Utah 2006)

Alcohol and Other Drug-Related Crashes								
	Property Damage Only		Injury		Fatal		Total	
		Rate		Rate		Rate		Rate
		per 100		per 100		per 100		per 100
		Million		Million		Million		Million
County	#	VMT	#	VMT	#	VMT	#	VMT
Daggett	5	14.1	2	5.6	0	0.00	7	19.7
Piute	0	0.0	4	14.7	1	3.68	5	18.4
Weber	121	7.8	111	7.1	4	0.26	236	15.1
Uintah	27	7.7	23	6.5	2	0.57	52	14.8
Salt Lake	627	7.3	548	6.4	17	0.20	1,192	13.9
Washington	59	4.7	70	5.5	7	0.55	136	10.7
Carbon	18	6.1	13	4.4	0	0.00	31	10.6
Rich	2	3.7	2	3.7	1	1.83	5	9.2
Sanpete	9	3.6	14	5.5	0	0.00	23	9.1
Grand	8	2.9	17	6.1	0	0.00	25	9.0
Utah	146	4.0	162	4.4	6	0.16	314	8.6
Wasatch	12	4.0	12	4.0	0	0.00	24	8.1
Iron	21	3.1	30	4.4	3	0.44	54	8.0
Tooele	31	3.4	38	4.2	2	0.22	71	7.8
Wayne	1	2.6	2	5.2	0	0.00	3	7.8
Summit	30	4.1	23	3.1	2	0.27	55	7.5
Cache	33	3.4	38	3.9	1	0.10	72	7.5
Davis	96	3.9	83	3.4	5	0.20	184	7.5
Duchesne	6	2.8	10	4.6	0	0.00	16	7.4
Kane	5	3.6	3	2.2	2	1.44	10	7.2
Garfield	5	4.3	3	2.6	0	0.00	8	6.8
San Juan	9	3.2	9	3.2	1	0.36	19	6.8
Beaver	9	3.5	6	2.3	0	0.00	15	5.8
Emery	12	3.4	7	2.0	1	0.28	20	5.6
Sevier	11	2.6	13	3.0	0	0.00	24	5.6
Millard	13	2.8	11	2.4	0	0.00	24	5.1
Morgan	3	2.1	4	2.8	0	0.00	7	4.9
Juab	7	1.7	6	1.5	0	0.00	13	3.2
Box Elder	13	1.4	14	1.5	2	0.21	29	3.1
Statewide	1,339	5.1	1,278	4.9	57	0.22	2,674	10.2

- Daggett (19.7), Piute (18.4), and Weber (15.1) counties had the highest rates of alcohol and other drug-related total crashes per 100 million vehicle miles traveled.
- Box Elder (3.1), Juab (3.2), and Morgan (4.9) counties had the lowest rates of alcohol and other drug-related total crashes per 100 million vehicle miles traveled.

Characteristics of Persons Involved

Persons in Alcohol and Other Drug-Related Crashes (Utah 2006)

Persons (Alcohol and Other Drug-Related Crashes)								
Persons Involved	Non-Injured		Injured		Killed		Total Persons	
	#	%	#	%	#	%	#	%
Driver	2,661	70.5%	1,351	68.7%	42	61.8%	4,054	69.8%
Passenger	1,112	29.4%	582	29.6%	19	27.9%	1,713	29.5%
Pedestrian	3	0.1%	24	1.2%	5	7.4%	32	0.6%
Bicyclist	0	0.0%	9	0.5%	2	2.9%	11	0.2%
Total	3,776	100.0%	1,966	100.0%	68	100.0%	5,810	100.0%

- Drivers accounted for the majority of persons involved (69.8%) and persons killed (61.8%) in alcohol and other drug-related crashes.
- Of the 42 drivers killed in alcohol and other drug-related crashes, 35 (83.3%) were impaired drivers, and seven (16.7%) were victims of an impaired driver.

Seatbelt Use of Persons Killed in Alcohol and Other Drug-Related Crashes (Utah 2006)

- 31 of the 52 (59.6%) motor vehicle occupants killed in alcohol and other drug-related crashes where seatbelt use was known were unbelted.

Alcohol and Other Drug Involvement in Different Types of Fatal Crashes (Utah 2006)



Pedestrian-Motor Vehicle Crashes

- Of the 29 pedestrians killed in 2006, none were impaired by alcohol or other drugs, and five pedestrians (17.2%) were killed by an impaired driver.



Bicyclist-Motor Vehicle Crashes

- Of the 10 bicyclists killed in 2006, one (10.0%) was impaired by alcohol or other drugs, and two bicyclists (20.0%) were killed by an impaired driver.



Motorcycle Crashes

- Of the 23 motorcycle drivers in fatal crashes in 2006, two were impaired by alcohol or other drugs (8.7%).



Teenage Driver Crashes

- Of the 45 teenage drivers (aged 15 to 19 years) in fatal crashes in 2006, eight were impaired by alcohol or other drugs (17.8%).

Driver Characteristics

Age of Impaired Drivers in Alcohol and Other Drug-Related Crashes (Utah 2006)

Impaired Drivers (Alcohol and Other Drugs)								
	PDO Crashes		Injury Crashes		Fatal Crashes		Total Drivers	
Age	#	%	#	%	#	%	#	%
<15	1	0.1%	3	0.2%	0	0.0%	4	0.1%
15-19	131	9.5%	139	10.6%	8	13.8%	278	10.1%
20-24	284	20.5%	282	21.4%	13	22.4%	579	21.0%
25-29	209	15.1%	229	17.4%	11	19.0%	449	16.3%
30-34	174	12.6%	135	10.3%	8	13.8%	317	11.5%
35-39	131	9.5%	134	10.2%	7	12.1%	272	9.9%
40-44	117	8.5%	110	8.4%	3	5.2%	230	8.3%
45-49	111	8.0%	96	7.3%	4	6.9%	211	7.7%
50-54	78	5.6%	59	4.5%	1	1.7%	138	5.0%
55-59	39	2.8%	37	2.8%	1	1.7%	77	2.8%
60-64	16	1.2%	22	1.7%	0	0.0%	38	1.4%
65-69	13	0.9%	8	0.6%	1	1.7%	22	0.8%
70-74	5	0.4%	7	0.5%	0	0.0%	12	0.4%
75-79	1	0.1%	5	0.4%	0	0.0%	6	0.2%
80+	6	0.4%	8	0.6%	1	1.7%	15	0.5%
Unknown	67	4.8%	43	3.3%	0	0.0%	110	4.0%
Total	1,383	100.0%	1,317	100.0%	58	100.0%	2,758	100.0%

- Drivers aged 20-24 years had the highest percentage of total alcohol/drug-related crashes (21.0%) as well as alcohol/drug-related fatal crashes (22.4%).
- 374 (13.6%) of the impaired drivers in total crashes were under the age of 21 years.
- 13 of the 58 (22.4%) impaired drivers in fatal crashes were under the age of 21 years.
- There is a rapid decline of impaired drivers as age increases with less than 10% of impaired drivers over the age of 55 years (6.1%).

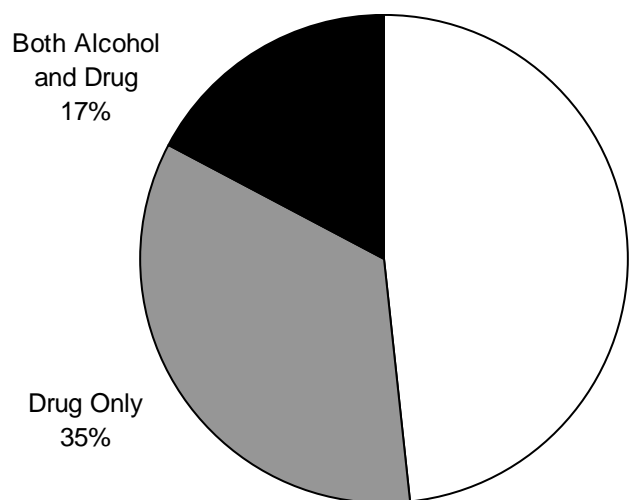
Gender of Impaired Drivers in Alcohol and Other Drug-Related Crashes (Utah 2006)

Impaired Drivers (Alcohol and Other Drugs)								
	PDO Crashes		Injury Crashes		Fatal Crashes		Total Drivers	
Gender	#	%	#	%	#	%	#	%
Male	1,022	73.9%	933	70.8%	51	87.9%	2,006	72.7%
Female	322	23.3%	362	27.5%	7	12.1%	691	25.1%
Unknown	39	2.8%	22	1.7%	0	0.0%	61	2.2%
Total	1,383	100.0%	1,317	100.0%	58	100.0%	2,758	100.0%

- Male drivers were much more likely to be in alcohol and other drug-related crashes. Male drivers represented 72.7% of the drivers in alcohol/drug-related crashes and 87.9% of drivers in fatal alcohol/drug-related crashes.

Driver Characteristics

Impaired Drivers in Fatal Crashes by Impairment Type (Utah 2006)



- Of the 58 impaired drivers in fatal crashes, 28 (48%) tested positive for alcohol only, 20 (35%) tested positive only for other drugs, and 10 (17%) tested positive for both alcohol and other drugs.

Impaired Drivers in Alcohol-Related Fatal Crashes by Blood Alcohol Concentration (Utah 2006)

Impaired Drivers in Alcohol Fatal Crashes		
BAC	Drivers	
	#	%
.01 - .07	5	13.2%
.08 - .10	1	2.6%
.11 - .14	8	21.1%
.15 - .19	11	28.9%
.20 - .24	9	23.7%
.25 - .29	1	2.6%
.30+	3	7.9%
Total	38	100.0%

- 33 out of the 38 (86.8%) drivers in fatal crashes who tested positive for alcohol had blood alcohol concentration (BAC) levels at or above the legal limit of 0.08.

Impaired Drivers in Drug-Related Fatal Crashes by Drug Type (Utah 2006)

Impaired Drivers in Drug-Related Fatal Crashes		
Drug Type	Drivers	
	#	%
Cannabinoid	13	36.1%
Stimulant	8	22.2%
Narcotic	5	13.9%
Depressant	4	11.1%
Other Drug	2	5.6%
Unknown Type	4	11.1%
Total	36	100.0%

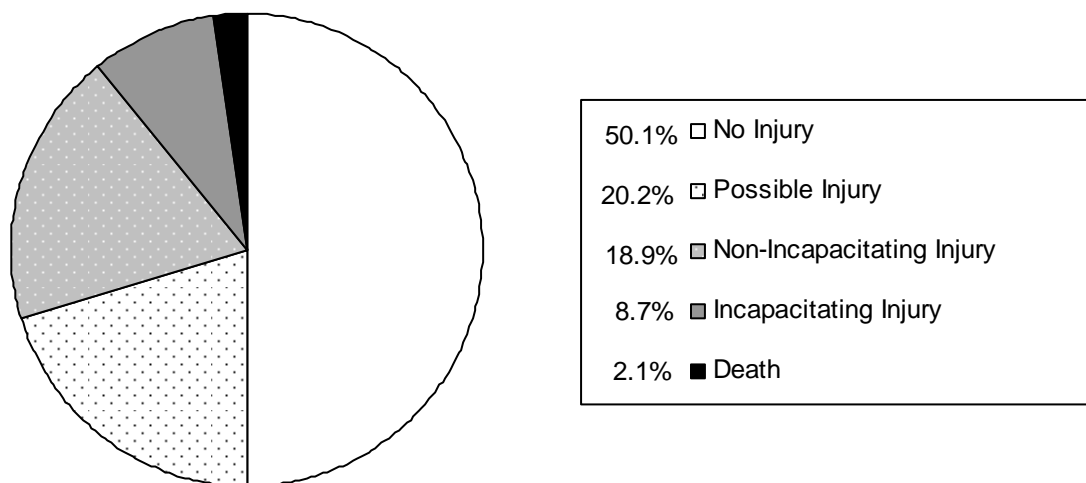
- 13 of the 30 (43.3%) drivers in fatal crashes who tested positive for drugs other than alcohol tested positive for cannabinoid (THC, marijuana) and eight of the 30 (26.7%) tested positive for stimulants (methamphetamine, cocaine).
- Some drivers tested positive for more than one drug.

Previous Driving Under the Influence Convictions of Impaired Drivers in Fatal Alcohol and Other Drug-Related Crashes (Utah 2006)

- Of the 58 impaired drivers in fatal alcohol and other drug-related crashes, nine drivers had been previously convicted of driving under the influence in the past three years (17.0% where driving history was known).

Crash Characteristics

Alcohol and Other Drug-Related Crash Severity (Utah 2006)



- A higher percentage of alcohol and other drug-related crashes (47.8%) resulted in a non-fatal injury compared to all motor vehicle crashes that resulted in a non-fatal injury (32.4%).
- In addition, a higher percentage of alcohol/drug-related crashes were fatal (2.1%) compared to all motor vehicle crashes (0.4%).

Alcohol and Other Drug-Related Crashes by Month of Year (Utah 2006)

Alcohol and Other Drug-Related Crashes									
	Days in	Property Damage Only		Injury		Fatal		Total	
	Month		Rate		Rate		Rate		Rate
Month	#	#	per Day	#	per Day	#	per Day	#	per Day
January	31	86	2.8	76	2.5	5	0.16	167	5.4
February	28	107	3.8	87	3.1	7	0.25	201	7.2
March	31	112	3.6	104	3.4	3	0.10	219	7.1
April	30	92	3.1	122	4.1	2	0.07	216	7.2
May	31	95	3.1	103	3.3	3	0.10	201	6.5
June	30	116	3.9	114	3.8	6	0.20	236	7.9
July	31	131	4.2	115	3.7	5	0.16	251	8.1
August	31	118	3.8	126	4.1	5	0.16	249	8.0
September	30	113	3.8	115	3.8	6	0.20	234	7.8
October	31	108	3.5	115	3.7	7	0.23	230	7.4
November	30	126	4.2	96	3.2	4	0.13	226	7.5
December	31	135	4.4	105	3.4	4	0.13	244	7.9
Total	365	1,339	3.7	1,278	3.5	57	0.16	2,674	7.3

- Overall, the highest rates per day of alcohol and drug-related crashes were in July (8.1) and August (8.0), while the lowest rate per day of alcohol and drug-related crashes was in January (5.4).
- The highest rate per day of fatal alcohol/drug-related crashes occurred in February (0.25).

Crash Characteristics

Alcohol and Other Drug-Related Crashes by Day of Week (Utah 2006)

Alcohol and Other Drug-Related Crashes								
Day of Week	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
Sunday	241	18.0%	266	20.8%	11	19.3%	518	19.4%
Monday	144	10.8%	127	9.9%	6	10.5%	277	10.4%
Tuesday	138	10.3%	122	9.5%	8	14.0%	268	10.0%
Wednesday	147	11.0%	128	10.0%	3	5.3%	278	10.4%
Thursday	167	12.5%	151	11.8%	4	7.0%	322	12.0%
Friday	206	15.4%	194	15.2%	7	12.3%	407	15.2%
Saturday	296	22.1%	290	22.7%	18	31.6%	604	22.6%
Total	1,339	100.0%	1,278	100.0%	57	100.0%	2,674	100.0%

- The highest percentage of total alcohol/drug crashes (22.6%) and fatal alcohol/drug crashes (31.6%) occurred on Saturday.

Alcohol and Other Drug-Related Crashes by Hour of Day (Utah 2006)

Alcohol and Other Drug-Related Crashes								
Hour	PDO Crashes		Injury Crashes		Fatal Crashes		Total Crashes	
	#	%	#	%	#	%	#	%
Midnight	77	5.8%	77	6.0%	3	5.3%	157	5.9%
1 a.m.	77	5.8%	101	7.9%	8	14.0%	186	7.0%
2 a.m.	75	5.6%	59	4.6%	4	7.0%	138	5.2%
3 a.m.	42	3.1%	42	3.3%	1	1.8%	85	3.2%
4 a.m.	30	2.2%	34	2.7%	2	3.5%	66	2.5%
5 a.m.	23	1.7%	26	2.0%	0	0.0%	49	1.8%
6 a.m.	25	1.9%	37	2.9%	4	7.0%	66	2.5%
7 a.m.	34	2.5%	18	1.4%	2	3.5%	54	2.0%
8 a.m.	35	2.6%	20	1.6%	1	1.8%	56	2.1%
9 a.m.	41	3.1%	28	2.2%	3	5.3%	72	2.7%
10 a.m.	27	2.0%	21	1.6%	2	3.5%	50	1.9%
11 a.m.	38	2.8%	34	2.7%	1	1.8%	73	2.7%
Noon	27	2.0%	24	1.9%	0	0.0%	51	1.9%
1 p.m.	40	3.0%	25	2.0%	1	1.8%	66	2.5%
2 p.m.	48	3.6%	41	3.2%	1	1.8%	90	3.4%
3 p.m.	55	4.1%	66	5.2%	2	3.5%	123	4.6%
4 p.m.	54	4.0%	75	5.9%	0	0.0%	129	4.8%
5 p.m.	82	6.1%	63	4.9%	5	8.8%	150	5.6%
6 p.m.	73	5.5%	88	6.9%	2	3.5%	163	6.1%
7 p.m.	76	5.7%	65	5.1%	2	3.5%	143	5.3%
8 p.m.	71	5.3%	89	7.0%	1	1.8%	161	6.0%
9 p.m.	88	6.6%	68	5.3%	6	10.5%	162	6.1%
10 p.m.	101	7.5%	102	8.0%	2	3.5%	205	7.7%
11 p.m.	100	7.5%	75	5.9%	4	7.0%	179	6.7%
Total	1,339	100.0%	1,278	100.0%	57	100.0%	2,674	100.0%

- Alcohol/drug total crashes peaked in the evening and early morning hours (5:00 p.m. to 2:00 a.m.). Fatal alcohol/drug crashes varied by hour and peaked at 1:00 a.m.